



#3

## SEQUENCE LISTING

<110> Nolan, Lisa  
Horne, Shelley

<120> NUCLEIC ACID ENCODING AN AVIAN E. COLI ISS POLYPEPTIDE AND METHODS OF USE

<130> 255.0001 0122

<140> 09/738,599

<141> 2000-12-15

<150> 09/282,352

<151> 1999-03-31

<150> 09/023,221

<151> 1998-02-12

<160> 26

<170> PatentIn version 3.0

<210> 1

<211> 760

<212> DNA

<213> Escherichia coli

<400> 1

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tatggcgaca atacaacaca cctaaaagag taatggacag atgaagcggg ttattcattt      180
cccatgatgc tgagtaccta ccaagtctga gtaaccactt ttatactttt aattttcgtt      240
catttagcta tcgtttaatt attatcacat aggattctgc cgtttttaac aatgcaggat      300
aataagatga aaaaaatggt attttctgcc gctctggcaa tgcttattac aggatgtgct      360
caacaaacgt ttactgttgg aaacaaaccg acagcagtaa caccaaagga aaccatcact      420
catcatttct tcgtttcggg aattggacaa gagaaaactg ttgatgcagc caaaatttgt      480
ggcgggtgcag aaaatgttgt taaaacagaa actcagcaaa cattcgtaaa tggattgctc      540
ggttttatca cttttggcat ctatactccg ctggaagccc gggtatattg ctcacaatag      600
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ttgcccacgcg atatggggag ctcacctgcg ctgttcatta atatacttct gggctcccta 660  
cagttgtttt tgcatagtga taagcctctc tctgaggag gaaataatcc tgttcagcga 720  
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<210> 2  
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			20					25					30		
Pro	Thr	Ala	Val	Thr	Pro	Lys	Glu	Thr	Ile	Thr	His	His	Phe	Phe	Val
		35					40					45			
Ser	Gly	Ile	Gly	Gln	Glu	Lys	Thr	Val	Asp	Ala	Ala	Lys	Ile	Cys	Gly
	50					55					60				
Gly	Ala	Glu	Asn	Val	Val	Lys	Thr	Glu	Thr	Gln	Gln	Thr	Phe	Val	Asn
65					70					75					80
Gly	Leu	Leu	Gly	Phe	Ile	Thr	Phe	Gly	Ile	Tyr	Thr	Pro	Leu	Glu	Ala
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Arg	Val	Tyr	Cys	Ser	Gln										
			100												

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<220>  
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23

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accatcactc atcatttctt cgtttcccca attggacaga gaaaactgtt gatgcagcca 180  
aaatttggtg gcggtgcaga aaatgttggtt aaaacagaaa ctacagcaaac attcgtaaatt 240  
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accatcacc atcatttctt cgtttctgga attgggcaga agaaaactgt cgatgcagcc 180  
aaaatttggtg gcggcgcaga aaatgttggtt aaaacagaaa cccagcaaac attcgtaaatt 240  
ggattgctcg gttttattac tttaggcatt tataactccgc tggaagcgcg tgtgtattgc 300  
tcacaataa 309

<210> 7

<211> 102  
 <212> PRT  
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Pro Thr Ala Val Thr Pro Lys Glu Thr Ile Thr His His Phe Phe Val  
 35 40 45

Ser Pro Ile Gly Gln Arg Lys Leu Leu Met Gln Pro Lys Phe Val Gly  
 50 55 60

Gly Ala Glu Asn Val Val Lys Thr Glu Thr Gln Gln Thr Phe Val Asn  
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Ala Leu Pro Gly Phe Ile Thr Phe Gly Ile Tyr Thr Pro Arg Glu Thr  
 85 90 95

Arg Val Tyr Cys Ser Gln  
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<210> 8  
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 1 5 10 15

Cys Ala Gln Gln Thr Phe Thr Val Gln Asn Lys Pro Ala Ala Val Ala  
 20 25 30

Pro Lys Glu Thr Ile Thr His His Phe Phe Val Ser Gly Ile Gly Gln  
 35 40 45

Lys Lys Thr Val Asp Ala Ala Lys Ile Cys Gly Gly Ala Glu Asn Val  
 50 55 60

Val Lys Thr Glu Thr Gln Gln Thr Phe Val Asn Gly Leu Leu Gly Phe  
 65 70 75 80

Ile Thr Leu Gly Ile Tyr Thr Pro Leu Glu Ala Arg Val Tyr Cys Ser  
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Gln

<210> 9  
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<210> 10  
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<220>  
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<400> 17  
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<210> 18  
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23

<210> 20  
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<213> Escherichia coli

<400> 20

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			20					25					30		
Cys	Ala	Gln	Gln	Thr	Phe	Thr	Val	Gly	Asn	Lys	Pro	Thr	Ala	Val	Thr
		35					40					45			
Pro	Lys	Glu	Thr	Ile	Thr	His	His	Phe	Phe	Val	Ser	Gly	Ile	Gly	Gln
	50					55					60				
Glu	Lys	Thr	Val	Asp	Ala	Ala	Lys	Ile	Cys	Gly	Gly	Ala	Glu	Asn	Val
65					70					75				80	
Val	Lys	Thr	Glu	Thr	Gln	Gln	Thr	Phe	Val	Asn	Gly	Leu	Leu	Gly	Phe
				85					90					95	
Ile	Thr	Phe	Gly	Ile	Tyr	Thr	Pro	Leu	Glu	Ala	Arg	Val	Tyr	Cys	Ser
			100					105					110		

Gln

<210> 21  
 <211> 378  
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 ggaacaaac cgacagcagt aacaccaaag gaaaccatca ctcatcattt cttcgtttcg 180  
 ggaattggac aagagaaaac tgttgatgca gccaaaattt gtggcgggtgc agaaaatggt 240  
 gttaaaacag aaactcagca aacattcgta aatggattgc tcggttttat cacttttggc 300  
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<400> 22



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accatcactc atcatttctt cgtttcggga attggacaag agaaaactgt tgatgcagcc	180
aaaatttggtg gcggtgcaga aaatgttggt aaaacagaaa ctcagcaaac attcgtaa	240
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<210> 26  
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18

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